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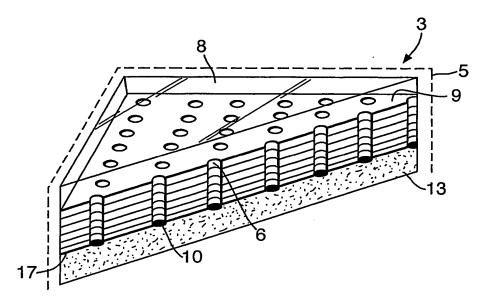
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(54) Title: LARGE AREA DETECTORS AND DISPLAYS



(57) Abstract: A large area detector (3) for use, for example, as an x-ray detector for medical imaging consists of a radiation sensitive detector (8) in combination with a monolithic amplification device consisting of a plurality of alternately stacked dynode and insulation layers having channels (6) extending therethrough in communication with respective signal collectors (10). The large area detector (3) is capable of being formed in tiles of 1 m² or more whilst providing high resolution of the order of 50-60 pixels per mm².

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